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NOTICE OF ALLOWANCE AND FEE(S) DUE

21834 7590 10/01/2009 BECK AND TYSVER P.L.L.C. 2900 THOMAS AVENUE SOUTH SUITE 100 MINNEAPOLIS MN 55416

CHANNEL PATH

| EXAMINER | | | | |
|-------------------------|--|--|--|--|
| MARCELO, MELVIN C | | | | |
| ART UNIT PAPER NUMBER | | | | |
| 2416 | | | | |
| DATE MAILED: 10/01/2009 | | | | |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/658,679 | 09/09/2003 | Michael John Shea | 3917 | 2249 |

TITLE OF INVENTION: METHOD, APPARATUS AND PROGRAM STORAGE DEVICE FOR VERIFYING EXISTENCE OF A REDUNDANT FIBRE

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 01/04/2010 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

| appropriate. All further indicated unless corrects maintenance fee notifica | correspondence includir ed below or directed oth | ng the Patent, advance on nerwise in Block 1, by (a | rders and notification of a) specifying a new corre | maintenance fees v spondence address | vill be and/or | mailed to the current r (b) indicating a sepa | correspondence address as trate "FEE ADDRESS" for |
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| CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) | | | Dan | Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. | | | |
| 21834 | 7590 10/01 | /2009 | nav | | | e of Mailing or Trans | mission |
| 2900 THOMAS SUITE 100 | YSVER P.L.L.C. AVENUE SOUTH | | I he Stat add tran | reby certify that th les Postal Service v ressed to the Mail smitted to the USP | is Fec(vith sul Stop TO (57 | s) Transmittal is being fficient postage for first ISSUE FEE address 'I) 273-2885, on the d | g deposited with the United st class mail in an envelope above, or being facsimile ate indicated below. |
| MINNEAPOLIS | S, MN 55416 | | | | | | (Depositor's name) |
| | | | _ | | | | (Signature) |
| | | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTOR | TOR ATTORNEY DOCKET NO. | | CONFIRMATION NO. | |
| 10/658,679 TITLE OF INVENTION CHANNEL PATH | 09/09/2003 i: METHOD, APPARAT | TUS AND PROGRAM S | Michael John Shea TORAGE DEVICE FOR | VERIFYING EXIS | STENC | 3917 E OF A REDUNDAN | 2249 FT FIBRE |
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| EXAM | IINER | ART UNIT | CLASS-SUBCLASS | 1 | | | |
| MARCELO, | MELVIN C | 2416 | 370-217000 | • | | | |
| "Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A | ondence address (or Cha B/122) attached. ication (or "Fee Address 20 or more recent) attach ND RESIDENCE DATA | nge of Correspondence Indication form ed. Use of a Customer A TO BE PRINTED ON | 2. For printing on the p (1) the names of up to or agents OR, alternati (2) the name of a sing registered attorney or 2 registered patent att listed, no name will be THE PATENT (print or ty data will appear on the p | o 3 registered pater vely, le firm (having as a agent) and the nam meys or agents. If printed. | memb es of u no nan | per a 2p to 3 | ocument has been filed for |
| (A) NAME OF ASSI Please check the appropr | GNEE | | (B) RESIDENCE: (CITY | and STATE OR C | OUNT | TRY) | oup entity 🚨 Government |
| 4a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies | | b. Payment of Fee(s): (Ples A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo | rd. Form PTO-2038 | is atta | ached. required fee(s), any de | | |
| | s SMALL ENTITY state | is. See 37 CFR 1.27. | ☐ b. Applicant is no lon | | | | |
| NOTE: The Issue Fee an interest as shown by the | d Publication Fee (if req records of the United Sta | uired) will not be accepte tes Patent and Trademark | d from anyone other than to Office. | the applicant; a regi | stered. | attorney or agent; or th | ne assignee or other party in |
| Authorized Signature | | | | Date | | | |
| Typed or printed name Registration No. | | | | | | | |
| This collection of inform an application. Confiden submitting the completes this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223 | nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but 'irginia 22313-1450. DC t13-1450. | FR 1.311. The informatis U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to th ONOT SEND FEES OR | on is required to obtain or 1.14. This collection is es depending upon the indi- e Chief Information Offic COMPLETED FORMS T | retain a benefit by t timated to take 12 i vidual case. Any co er, U.S. Patent and O THIS ADDRESS | he pub minuter mment Trader S. SEN | lic which is to file (and s to complete, including ts on the amount of timerk Office, U.S. Dep D TO: Commissioner | by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450, |

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| 2900 THOMAS A | VENUE SOUTH | | ART UNIT | PAPER NUMBER |
| SUITE 100 MINNEAPOLIS, N | MN 55416 | | 2416 DATE MAILED: 10/01/200 | 9 |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 702 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 702 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

| Application No. | Applicant(s) | |
|-----------------|-----------------|-----|
| 10/658,679 | SHEA, MICHAEL J | OHN |
| Examiner | Art Unit | |
| Melvin Marcelo | 2416 | |

| The MAILING DATE of this communication appears on to All claims being allowable, PROSECUTION ON THE MERITS IS (OR REN herewith (or previously mailed), a Notice of Allowance (PTOL-35) or other NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. of the Office or upon petition by the applicant. See 37 CFR 1.313 and MP. | MAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initiative |
|--|--|
| This communication is responsive to <u>RCE and IDS filed 9-21-2009</u>. | |
| 2. The allowed claim(s) is/are 1-12 and 14-51. | |
| 3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have been re 2. ☐ Certified copies of the priority documents have been re 3. ☐ Copies of the certified copies of the priority documents International Bureau (PCT Rule 17.2(a)). * Certified copies not received: | ceived. ceived in Application No have been received in this national stage application from the |
| 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Not INFORMAL PATENT APPLICATION (PTO-152) which gives reasor 5. CORRECTED DRAWINGS (as "replacement sheets") must be subined including changes required by the Notice of Draftsperson's Pater 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendi Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) sheech sheet. Replacement sheet(s) should be tabeled as such in the header 6. DEPOSIT OF and/or INFORMATION about the deposit of Bid attached Examiner's comment regarding REQUIREMENT FOR THIS | (s) why the oath or declaration is deficient, mitted. ent Drawing Review (PTO-948) attached ment / Comment or in the Office action of ould be written on the drawings in the front (not the back) of r according to 37 CFR 1.121(d). DLOGICAL MATERIAL must be submitted. Note the |
| Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date Lexaminer's Comment Regarding Requirement for Deposit of Biological Material //Melvin Marcelo/ //Primary Examiner Art Unit: 2416 | 5. Notice of Informal Patent Application 6. Interview Summary (PTO-413), Paper No./Mail Date 7. Examiner's Amendment/Comment 8. Examiner's Statement of Reasons for Allowance 9. Other |